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NOTICE OF ALLOWANCE AND FEE(S) DUE

54066

759

10/10/2008

MURATA MANUFACTURING COMPANY, LTD. C/O KEATING & BENNETT, LLP 1800 Alexander Bell Drive SUITE 200 Reston, VA 20191

EXAMINER					
SAINT SURIN, JACQUES M					
ART UNIT PAPER NUMBER					
2856					

DATE MAILED: 10/10/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597 494	07/27/2006	Taku Matsumoto	36856 1452	1851

TITLE OF INVENTION: ULTRASONIC SENSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/12/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/597,494	07/27/2006		•	Taku Matsumoto)			36856.1452	1851
TITLE OF INVENTION	: ULTRASONIC SENS	OR							
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APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUI	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300		\$0		\$1810	01/12/2009
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SAINT SURIN			2856	073-649000					
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3. ASSIGNEE NAME A		A TO F	E PRINTED ON '	L	or tyn	- ne)			
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(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)									
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Please check the appropr	iate assignee category or	catego	ories (will not be pr	inted on the patent):		Individual 🖵 Co	orporati	on or other private gro	up entity 🗖 Government
4a. The following fee(s)	are submitted:		41	o. Payment of Fee(s):	(Plea	se first reapply ar	ıy prev	iously paid issue fee s	hown above)
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5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY stati		*	☐ b. Applicant is no	a land	ver claiming SMAI	I EN	ΓΙΤΥ status. See 37 CF	P 1 27(a)(2)
NOTE: The Issue Fee an	d Publication Fee (if req	uired)	will not be accepted	d from anyone other t					e assignee or other party in
interest as shown by the	records of the United Sta	ites Pat	ent and Trademark	Office.					
Authorized Signature						Date			
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This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu virginia 22313-1450. DO	CFR 1.3 U.S.C USPT rden, s O NOT	311. The information 122 and 37 CFR O. Time will vary thould be sent to the SEND FEES OR	on is required to obtain 1.14. This collection depending upon the e Chief Information C COMPLETED FORM	n or reis est indiv Office IS TO	etain a benefit by t imated to take 12 t idual case. Any co r, U.S. Patent and D THIS ADDRESS	he pub minutes ommen Trader S. SEN	lic which is to file (and s to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) gathering, preparing, and the you require to complete trument of Commerce, P.O. or Patents, P.O. Box 1450,

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10/597,494	07/27/2006	Taku Matsumoto	36856.1452	1851
54066 75	90 10/10/2008		EXAM	INER
MURATA MAN	UFACTURING CO	SAINT SURIN, JACQUES M		
C/O KEATING &	· ·	,	ART UNIT	PAPER NUMBER
1800 Alexander Be SUITE 200 Reston, VA 20191	ell Drive		2856 DATE MAILED; 10/10/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 379 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 379 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/597,494	MATSUMOTO ET AL.			
Notice of Allowability	Examiner	Art Unit			
	J M. SAINT SURIN	2856			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in to or other appropriate communication. This application is su	his application. If not included ication will be mailed in due course. THIS			
1. This communication is responsive to the US Patent Application	ation of 07/27/06.				
2. \boxtimes The allowed claim(s) is/are <u>6-15 renumbered as 1-10</u> .					
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" 	e been received. e been received in Application cuments have been received	No in this national stage application from the			
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.				
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 					
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the sheet in the	son's Patent Drawing Review (. s Amendment / Comment or it .84(c)) should be written on the	n the Office action of drawings in the front (not the back) of			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT					
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Info	rmal Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	— 6.	nmary (PTO-413),			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 06/07, 07/06 Examiner's Amendment/Comment Statement of Reasons for Allowance of Biological Material Description of Examiner's Amendment/Comment Statement of Reasons for Allowance of Policy of Examiner's Statement of Reasons for Allowance Other 					

Application/Control Number: 10/597,494 Page 2

Art Unit: 2856

REASONS FOR ALLOWANCE

- 1. The following is an examiner's statement of reasons for allowance: The prior art of record taken alone and in combination does not disclose "an ultrasonic sensor comprising:an integral housing including a plurality of tubular containers that are open at one end and closed by bottom portions at the other end and include side portions extending from the one end to the other end, and at least one connecting portion that connects the plurality of tubular containers to one another; wherein in the integral housing, the side portions of the plurality of tubular containers are connected to each other by the at least one connecting portion at portions that are adjacent to the bottom portions of the plurality of tubular containers such that outer bottom surfaces of the respective bottom portions of the plurality of tubular containers are flush with each other; and the housing further includes an elastic member that supports the housing" as recited in claim 6. These limitations are neither taught nor made obvious by the prior art of record.
- 2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to J M. SAINT SURIN whose telephone number is (571)272-2206. The examiner can normally be reached on Mondays to Fridays between 9:30 A.M and 6:00 P.M..

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Art Unit: 2856

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron L. Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jacques M SAINT SURIN/ Examiner, Art Unit 2856 /Hezron Williams/ Supervisory Patent Examiner, Art Unit 2856